

CLAIM AMENDMENTS

IN THE CLAIMS:

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. **(Currently Amended)** A method for wireless communication and telecommunication in a smart home environment comprising:

[[a)] connecting a base station[[,]] for conducting telephone calls and sending/receiving at least one of text, audio, video and control data[[,]] to at least one of a circuit-switched **network** and packet-switched network with an EXTERNAL data source/data sink assigned to said network for at least one of text, audio, video and control data; **[[and]]**

assigning ~~at least one~~ **a first** mobile element to the base station **[[BS]]** for at least one of conducting telephone calls and sending/receiving at least one of text, audio, video and control data via at least one air interface or via at least one air interface and a line interface[[,]];

wherein ~~the at least a~~ first mobile element sends/receives at least one of text, audio, video and control data[[,]]; **and**

wherein ~~at least one of~~ the first mobile element and the base station being assigned to **[[an]] a first** INTERNAL data source/data sink[[,]] to send the at least one of text, audio, video and control data transmitted from **[[this]] the INTERNAL data source/data sink** and to receive **[[the]]** at least one of text, audio, video and control data to be transmitted to **[[this]] the first INTERNAL data source/data sink; with at least one**

assigning a second mobile element and base station to a second INTERNAL data source/data link to send at least one of text, audio, video, and control data transmitted from the second INTERNAL data source link; at least one of video data and control data are externally sent/received and in case there is more than one second mobile element,

~~INTERNAL telephone calls are held between the second mobile elements or the at least one of text, audio, video and control data are internally sent/received,~~

~~[[b)]] wherein the second mobile element ~~generating~~ generates control commands and ~~sending these~~ sends the commands via the air interface, with said control commands ~~being used~~ is configured to access at least one of text, audio, video and control data terminated in at least one of the base station, the first mobile element, the second mobile element, and the INTERNAL data source/sink; [[and]]~~

~~and if there is more than one second mobile element, the second mobile element is configured to conduct INTERNAL telephone calls or to send /receive internally at least one of text, audio, video and control data between the second mobile elements;~~

~~wherein the [[this]] data is being sent from [[the]] at least one of the base station, the first mobile element, the second mobile element, and the INTERNAL data source/sink; and in which~~

~~wherein the data is terminated, directly or indirectly to at least one of the first INTERNAL data source/data sink or a further second INTERNAL data source/data sink, the second mobile element ~~or a further second mobile element~~, and the EXTERNAL data source/data sink to be output, released or transferred out.~~

2. (Previously Presented) The method according to claim 1, wherein check commands are generated and transmitted in a HF signal via the air interface, wherein the check commands also control the output, release and transfer out of the at least one of text, audio, video and control data.

3. (Currently Amended) The method according to claim 1, wherein the air interface comprises a shared interface for telephony and broadband transmission or a separate interface for telephony and broadband transmission respectively ~~is used as the air interface.~~

4. (Previously Presented) The method according to claim 3, wherein an interface is used as the air interface, wherein the interface is based on one of the standards selected from the group consisting of: DECT, WDCT, DECT and Bluetooth, WDCT and Bluetooth, DECT and IEEE 802.11a, DECT and IEEE 802.11b, DECT and IEEE 802.11g, WDCT and IEEE 802.11a, WDCT and IEEE 802.11b, WDCT and IEEE 802.11g, GSM and DECT, GSM and Bluetooth, GSM and IEEE 802.11a, GSM and IEEE 802.11b, GSM and IEEE 802.11g, 3GPP and Bluetooth, 3GPP and IEEE 802.11a, 3GPP and IEEE 802.11b, and 3GPP and IEEE 802.11g.

5. (Currently Amended) The method according to claim 1, wherein text data comprises short messages according to the Short Message Service or video text information ~~is used as text data~~, audio data comprises telephone call information, music information according to the Multimedia Message Service, ~~[[or]]~~ audio downloads from the internet, ~~in particular or~~ MP3 files, ~~are used as audio data~~, video data comprises image information according to the Multimedia Message Service or video downloads from the internet, and control data comprises ~~are used as video data and/or~~ data for controlling, measuring, regulating, calibrating, diagnosing, and/or maintaining electrical appliances, ~~in particular in the domestic field, is used as control data.~~

6. (Currently Amended) The method according to claim 1, wherein the second mobile element comprises a cordless ~~user-friendly~~ telephone handset with keypad or voice control and display device including menu control ~~is used as the second mobile element~~ and the base station comprises a cordless base station ~~is used as the base station.~~

7. (Currently Amended) The method according to claim 1, wherein the second mobile element comprises a mobile telephone with a cordless interface, ~~in particular a mobile telephone with~~ a Bluetooth interface, keypad, ~~[[or]]~~ voice control, or [[and]] display device including menu control ~~is used as the second mobile element~~ and the base station comprises a cordless base station ~~is used as the base station.~~

8. (Currently Amended) The method according to claim 1, wherein the first mobile element comprises a cordless I/O mobile box with an Ethernet interface or a USB interface ~~is used as the first mobile element~~.

9. (Currently Amended) The method according to claim 1, wherein the first mobile element comprises at least one of a cordless set-top box and/or a cordless I/O mobile box having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface, and/or an EIB/LON/LCN/KNX interface ~~respectively is used as the first mobile element~~.

10. (Currently Amended) The method according to claim 1, wherein the first INTERNAL data source/data sink comprises the first mobile element ~~is connected coupled~~ to a personal computer ~~as a first INTERNAL data source/data sink~~.

11. (Currently Amended) The method according to claim 1, wherein the first INTERNAL data source/data sink comprises the first mobile element ~~[[is]] integrated in a personal computer as a first INTERNAL data source/data sink~~.

12. (Currently Amended) The method according to claim 1, wherein the second INTERNAL data source/data sink comprises the first mobile element ~~is connected coupled~~ to a television, a HIFI unit, or an electrical appliance ~~as a second INTERNAL data source/data sink~~.

13. (Currently Amended) The method according to claim 1, wherein the second INTERNAL data source/data sink comprises the second mobile element ~~[[is]] integrated in a television, a HIFI unit, or an electrical appliance as the second INTERNAL data source/data sink~~.

14. (Currently Amended) The method according to claim 1, wherein the EXTERNAL data source/data sink ~~is used as~~ comprises a multimedia message service center or a short message service center.

15. (Currently Amended) The method according to claim 1, wherein the first INTERNAL data source/data sink comprises the base station ~~is connected~~ coupled to a personal computer ~~as a first INTERNAL data source/data sink~~ and the second INTERNAL data source/ data sink comprises the base station coupled ~~and/or~~ to a television, a HIFI unit, or an electrical appliance ~~as a second INTERNAL data source/data sink~~.

16. (Currently Amended) The method according to claim 1, wherein the first INTERNAL data source/data sink comprises the base station as a network interface module ~~[[is]]~~ integrated in a personal computer ~~as a first INTERNAL data source/data sink,~~ and the second INTERNAL data source/data sink comprises the base station integrated in a television, HIFI, or an electrical appliance ~~as a second INTERNAL data source/data sink~~.

17. (Currently Amended) The method according to claim 1, wherein the first INTERNAL data source/data sink comprises the first mobile element ~~is connected~~ coupled to a personal computer ~~as a first INTERNAL data source/data sink~~ or ~~wherein the first mobile element is integrated in a personal computer as a first INTERNAL data source/data sink,~~ and wherein the control commands are used to wake up and start up the personal computer from standby mode.

18. (Currently Amended) The method according to claim 1, wherein the second INTERNAL data source/data sink comprises the first mobile element ~~is connected~~ coupled to a television or an electrical appliance ~~as a second INTERNAL data source/data sink~~ or wherein the second mobile element is integrated in a television, a HIFI unit, or an electrical appliance ~~as the second INTERNAL data source/data sink~~, and wherein the control commands are used to wake up and start up the television, HIFI unit, or electrical appliance from standby mode.

19. (Currently Amended) The method according to claim 1, wherein the first mobile element comprises at least one of a cordless set-top box, ~~and/or~~ a cordless I/O mobile box having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface, ~~and/or~~ an EIB/LON/LCN/KNX interface ~~respectively is used as the first mobile element~~, and wherein the second INTERNAL data source/data sink comprises the first mobile element ~~is connected~~ coupled to a television, a HIFI unit, ~~[[or]]~~ an electrical appliance, ~~as a second INTERNAL data source/data sink or wherein~~ or the second mobile element is integrated in a television, a HIFI unit, or an electrical appliance ~~as the second INTERNAL data source/data sink~~, and wherein the control commands are used to implement televoting.

20. (Currently Amended) The method according to claim 1, wherein the first mobile element comprises at least one of a cordless set-top box, ~~and/or~~ a cordless I/O mobile box having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface, ~~and/or~~ and an EIB/LON/LCN/KNX interface, ~~respectively is used as the first mobile element~~, and wherein the second INTERNAL data sink/data source comprises the first mobile element ~~is connected~~ coupled to a television, a HIFI unit, ~~[[or]]~~ an electrical appliance, or ~~as a second INTERNAL data source/data sink or wherein~~ the second mobile element is integrated in a television, a HIFI unit, or an electrical appliance ~~as the second INTERNAL data source/data sink~~, and wherein the control commands are used to display the start and continuation of a television program on the second mobile element.

21. **(Currently Amended)** A telecommunication system for wireless communication and telecommunication in a smart home environment comprising:

[[a)]] a base station **[[BS]]** for conducting telephone calls and sending/receiving at least one of text, audio, video and control data, which can be connected to:

at least one of a circuit-switched network and a packet-switched network with an EXTERNAL data source/data sink assigned to said network for at least one of text, audio, video and control data**[[,]]**; and

at least one mobile element ~~are connected together~~ for at least one of conducting telephone calls and sending/receiving at least one of text, audio, video and control data via at least one air interface or via at least one air interface and a line interface;

wherein ~~a1) at least~~ a first mobile element being configured to send/receive at least one of text, audio, video and control data, wherein ~~at least one of~~ the first mobile element and the base station being assigned respectively to an INTERNAL data source/data sink, to receive the at least one of text, audio, video and control data intended for the first INTERNAL data source/data sink and to send the at least one of text, audio, video and control data originating from the first INTERNAL data source/data sink**[[,]]**;

~~a2) at least one~~ wherein a second mobile element is configured to conduct EXTERNAL telephone calls or to EXTERNAL send/receive at least one of text, audio, video and control data via the base station and, if there is more than one second mobile element, also to conduct INTERNAL telephone calls or to send /receive internally at least one of text, audio, video and control data between the second mobile elements**[[,]]**;

[[b)]] wherein the second mobile element **[[has]]** comprises:

a central control unit connected to the air interface to control the operation and function processes in the second mobile element,

a storage unit assigned to the central control unit, **[[and]]**

~~means-connected~~ to connect to the central control unit for inputting at least one of text, audio, video and control data, and

means for outputting at least one of text, audio, video and control data, which form a function unit, which is configured such that control commands are generated and transmitted via the air interface[[,]];

wherein said control commands ~~being used~~ are configured to access at least one of text, audio, video and control data terminated in at least one of the base station, the first mobile element, the second mobile element, and the INTERNAL data source/sink; and

[[this]] wherein the data being sent from the at least one of the base station, the first mobile element, the second mobile element, and the INTERNAL data source/sink[[,]] in which the data terminated, directly or indirectly to at least one of the INTERNAL data source/data sink or a further INTERNAL data source/data sink, the second mobile element or a further second mobile element, and the EXTERNAL data source/data sink to be output, released or transferred out.

22. (Previously Presented) The telecommunication system according to claim 21, wherein in the second mobile element the central control unit with the assigned storage unit connected to the air interface and the input means and output means connected to the central control unit are configured such that check commands are generated and transmitted in the HF signal via the air interface, with the check commands also being able to control the output, release and transfer out of the text, audio, video and/or control data.

23. (Previously Presented) The telecommunication system according to claim 21, wherein the air interface includes or is a shared interface for telephony and broadband transmission or a separate interface for telephony and broadband transmission respectively.

24. (Previously Presented) The telecommunication system according to claim 23, wherein the air interface is an interface based on a standard selected from the group consisting of: DECT, WDCT, DECT and Bluetooth, WDCT and Bluetooth, DECT and IEEE 802.11a, DECT and IEEE 802.11b, DECT and IEEE 802.11g, WDCT and IEEE 802.11a, WDCT and IEEE 802.11b, WDCT and IEEE 802.11g, GSM and DECT, GSM and Bluetooth, GSM and IEEE 802.11a, GSM and IEEE 802.11b, GSM and IEEE 802.11g, 3GPP and Bluetooth, 3 GPP and IEEE 802.11a, 3 GPP and IEEE 802.11b, and 3GPP and IEEE 802.11g.

25. (Previously Presented) The telecommunication system according to claim 21, wherein the text data includes short messages according to the Short Message Service or video text information, the audio data includes telephone call information, music information according to the Multimedia Message Service or audio downloads from the internet, in particular MP3 files, the video data includes image information according to the Multimedia Message Service or video downloads from the internet and/or the control data includes data for controlling, measuring, regulating, calibrating, diagnosing and/or maintaining electrical appliances, in particular in the domestic field.

26. (Currently Amended) The telecommunication system according to claim 21, wherein the second mobile element ~~is configured as~~ comprises a cordless user-friendly telephone handset with keypad or voice control and display device including menu control and the base station ~~is configured as~~ comprises a cordless base station.

27. (Currently Amended) The telecommunication system according to claim 21, wherein the second mobile element ~~is configured as~~ comprises a mobile telephone with a cordless interface, in particular a Bluetooth interface, keypad or voice control and display device including menu control and the base station ~~is configured as~~ comprises a cordless base station.

28. **(Currently Amended)** The telecommunication system according to claim 21, wherein the first mobile element ~~is configured as~~ comprises a cordless I/O mobile box with an Ethernet interface or a USB interface.

29. **(Currently Amended)** The telecommunication system according to claim 21, wherein the first mobile element ~~is configured as~~ comprises at least one of a cordless set-top box, ~~and/or~~ a cordless I/O mobile box having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface, ~~and/or~~ an EIB/LON/LCN/KNX interface ~~respectively~~.

30. **(Currently Amended)** The telecommunication system according to claim 21, wherein the first INTERNAL data source/data sink comprises the first mobile element ~~is connected coupled~~ to a personal computer ~~as a first INTERNAL data source/data sink~~.

31. **(Currently Amended)** The telecommunication system according to claim 21, wherein the first INTERNAL data source/data sink comprises the first mobile element ~~[[is]] integrated in a personal computer as the first INTERNAL data source/data sink~~.

32. **(Currently Amended)** The telecommunication system according to claim 21, wherein the second INTERNAL data source/data sink comprises the first mobile element ~~is connected coupled~~ to a television or an electrical appliance ~~as a second INTERNAL data source/data sink~~.

33. **(Currently Amended)** The telecommunication system according to claim 21, wherein the second INTERNAL data source/data sink comprises the first mobile element ~~[[is]] integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink~~.

34. (Currently Amended) The telecommunication system according to claim 21, wherein the EXTERNAL data source/data sink ~~is configured as~~ comprises a multimedia message service center or a short message service center.

35. (Currently Amended) The telecommunication system according to claim 21, wherein the first INTERNAL data source/data sink comprises the base station ~~is connected coupled~~ to a personal computer, and wherein the second INTERNAL data source/data sink comprises the base station coupled ~~as a first INTERNAL data source/data sink and/or~~ to a television, a HIFI unit, or an electrical appliance ~~as a second INTERNAL data source/data sink~~.

36. (Currently Amended) The telecommunication system according to claim 21, wherein the base station comprises ~~[[as]]~~ a network interface module, wherein the first INTERNAL data source/data sink comprises the base station ~~[[is]]~~ integrated in a personal computer ~~as a first INTERNAL data source/data sink~~, and wherein the second INTERNAL data source/data sink comprises the base station integrated in a television, HIFI, or an electrical appliance ~~as a second INTERNAL data source/data sink~~.

37. (Currently Amended) The telecommunication system according to claim 21, wherein the first INTERNAL data source/data sink comprises the first mobile element ~~is connected coupled~~ to a personal computer or as a first INTERNAL data source/data sink ~~or wherein the~~ first mobile element is integrated in a personal computer, ~~as the first INTERNAL data source/data sink~~, and wherein the control commands are supplied such that the personal computer is woken up and started up from standby mode.

38. (Currently Amended) The telecommunication system according to claim 21, wherein the second INTERNAL data source/data sink comprises first mobile element ~~is connected-coupled~~ to a television or an electrical appliance ~~or as a second INTERNAL data source/data sink or wherein~~ the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance, ~~as a second INTERNAL data source/data sink~~, and wherein the control commands are supplied such that the television, the HIFI unit, or electrical appliance is woken up and started up respectively from standby mode.

39. (Currently Amended) The telecommunication system according to claim 21, wherein the first mobile element ~~is configured as~~ comprises at least one of a cordless set-top box, ~~and/or~~ a cordless I/O mobile box having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface, ~~and/or~~ an EIB/LON/LCN/KNX interface respectively~~[[,]]~~; and

wherein the second INTERNAL data source/data sink comprises the first mobile element ~~is connected~~ coupled to a television or an electrical appliance ~~or as a second INTERNAL data source/data sink or wherein~~ the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance; and as a second INTERNAL data source/data sink, ~~and the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink~~

wherein the control commands are supplied such that televoting is implemented.

40. (Currently Amended) The telecommunication system according to claim 21, wherein the first mobile element ~~is configured as~~ comprises at least one of a cordless set-top box, ~~and/or~~ a cordless I/O mobile box having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface, ~~and/or~~ an EIB/LON/LCN/KNX interface respectively~~;~~; and

wherein the second INTERNAL data source/data sink comprises the first mobile element ~~is connected~~ coupled to a television or an electrical ~~or appliance as a second INTERNAL data source/data sink or wherein~~ the first mobile element is integrated in a

television, a HIFI unit, or an electrical appliance; and ~~as a second INTERNAL data source/data sink, and the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink~~

wherein the control commands are supplied such that the start and continuation of a television program are displayed on the second mobile element.

41-60. (Cancelled)